



MGS Midwest Guardrail System

W-Beam Barrier for the Future

Existing W-Beam barriers were developed many years ago when the vehicle fleet was different than it is today. These existing W-Beam barriers measure 27 5/8" to the top of the rail. When crash tested with today's higher center of gravity vehicles, many results have not been successful.



[Read more on MGS Guardrail End Treatment...](#)

End Terminal Rail Splice Location	Splice 1	Splice 2	Splice 3	Splice 4
Current W-Beam Barrier Design	12'-6" at post #3	25'-0" at post #5	37'-6" at post #7	50'-0" at post #9
MGS W-Beam Barrier Design	15'-7 1/2" between posts 3 & 4	28'-1 1/2" between posts 5 & 6	40'-7 1/2" between posts 7 & 8	53'-1 1/2" between posts 9 & 10

More Information

NOTE: You should use the latest version of the Adobe Reader. [Click here to go to the Adobe Reader download site.](#)

- [MGS Newsletter written by the Engineers at the Midwest Roadside Safety Facility \(MWRSF\)](#) (PDF file, opens in separate window)
- [MGS Terminals](#) (PowerPoint File, 7.7 MB, opens in separate window)
- [MGS Barrier Report](#) (PDF file, opens in separate window)
- [MGS Barrier: March 1, 2005](#) (PDF file, opens in separate window)
- [SKT & FLEAT MGS Terminals: March 8, 2005](#) (PDF file, opens in separate window)



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